

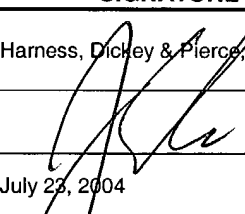
Please type a plus sign (+) inside this box → ☐**TRANSMITTAL
FORM***(to be used for all correspondence after initial filing)*

| | |
|-------------------------------|---------------------|
| Application Number | 09/651,849 |
| Filing Date | August 31, 2000 |
| First Named Inventor | Sarath KUMAR et al. |
| Group Art Unit | 2683 |
| Examiner Name | Stephen M. D'Agosta |
| Attorney Docket Number | 29250-001051/US |

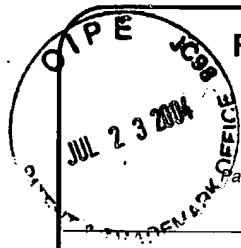
ENCLOSURES (check all that apply)

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Letter to the Official Draftsperson and () Sheets of Formal Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> LETTER SUBMITTING APPEAL BRIEF AND APPEAL BRIEF (w/clean version of pending claims) <input checked="" type="checkbox"/> Appeal Communication to Group (Appeal Notice) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): |
| RECEIVED JUL 28 2004 Technology Center 2000 | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | | | | |
|--------------------------------|---|----------------------|----------------|-----------------|--------|
| Firm or Individual name | Harness, Dickey & Pierce, P.L.C. | Attorney Name | John E. Curtin | Reg. No. | 37,602 |
| Signature |  | | | | |
| Date | July 23, 2004 | | | | |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 860.00

Complete if Known

Application Number 09/651,849
 Filing Date August 31, 2000
 Inventor(s) Sarath KUMAR et al.
 Examiner Name Stephen M. D'Agosta
 Group Art Unit 2683
 Attorney Docket No. 29250-001051/US

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METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:
- Deposit Account Number 08-0750
- Deposit Account Name Harness, Dickey & Pierce, P.L.C.
- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☐ Applicant claims small entity status. See 37 CFR 1.27
2. ☒ Payment Enclosed:
- ☒ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code | Small Entity Fee Code | Fee (\$) | Fee (\$) | Fee Description | Fee Paid |
|-----------------------|-----------------------|----------|----------|------------------------|----------|
| 1001 | 2001 | 770 | 385 | Utility filing fee | |
| 1002 | 2002 | 340 | 170 | Design filing fee | |
| 1003 | 2003 | 530 | 265 | Plant filing fee | |
| 1004 | 2004 | 770 | 385 | Reissue filing fee | |
| 1005 | 2005 | 160 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | (\$ 0 |

2. EXTRA CLAIM FEES

| | | | | | | | |
|--------------------|-------|---|--------------|---|-----------|---|----------|
| Total Claims | 20 ** | = | Extra Claims | X | Fee below | = | Fee Paid |
| Independent Claims | 3 ** | = | | X | | = | |
| Multiple Dependent | | = | | X | | = | |

| Large Entity Fee Code | Small Entity Fee Code | Fee (\$) | Fee (\$) | Fee Description |
|-----------------------|-----------------------|----------|----------|--|
| 1202 | 2202 | 18 | 9 | Claims in excess of 20 |
| 1201 | 2201 | 86 | 43 | Independent claims in excess of 3 |
| 1203 | 2203 | 290 | 145 | Multiple dependent claim, if not paid |
| 1204 | 2204 | 86 | 43 | ** Reissue independent claims over original patent |
| 1205 | 2205 | 18 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2)

(\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity Fee Code | Small Entity Fee Code | Fee (\$) | Fee (\$) | Fee Description |
|-----------------------|-----------------------|----------|----------|--|
| 1051 | 2051 | 130 | 65 | Surcharge - late filing fee or oath |
| 1052 | 2052 | 50 | 25 | Surcharge - late provisional filing fee or cover sheet |
| 1053 | 1053 | 1053 | 130 | Non-English specification |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for reexamination |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month |
| 1252 | 420 | 2252 | 210 | Extension for reply within second month |
| 1253 | 950 | 2253 | 475 | Extension for reply within third month |
| 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month |
| 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month |
| 1401 | 330 | 2401 | 165 | Notice of Appeal |
| 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal |
| 1403 | 290 | 2403 | 145 | Request for oral hearing |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable |
| 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional |
| 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) |
| 1502 | 480 | 2502 | 240 | Design issue fee |
| 1503 | 640 | 2503 | 320 | Plant issue fee |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17 (q) |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) |
| 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR § 1.129(a)) |
| 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR § 1.129(b)) |
| 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 860.00

SUBMITTED BY

Complete (if applicable)

| | | | | | |
|-------------------|----------------|----------------------------------|--------|-----------|---------------|
| Name (Print/Type) | John E. Curtin | Registration No. Attorney/Agent) | 37,602 | Telephone | 703-668-8000 |
| Signature | | | | Date | July 23, 2004 |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



AF #

Corres. and Mail
BOX AF

**MAIL STOP AF
RESPONSE UNDER
37 C.F.R. § 1.116
EXPEDITED PROCEDURE
EXAMINING GROUP 2683**

PATENT
29250-001051/US

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Sarath KUMAR et al. Conf.: 4424

Appl. No.: 09/651,849 Group: 2683

Filed: August 31, 2000 Examiner: Stephen M. D'Agosta

For: **ENHANCED METRIC FOR BIT DETECTION ON FADING
CHANNELS WITH UNKNOWN STATISTICS**

Docket No.: 29250-001051/US

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JUL 28 2004

Technology Center 2600

**NOTICE OF APPEAL FROM THE
PRIMARY EXAMINER TO THE BOARD OF APPEALS**

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

June 23, 2004

Sir:

Applicants hereby appeal to the Board of Appeals from the decision dated January 23, 2004 of the Primary Examiner finally rejecting claims 1-29.

☐ The enclosed document is being transmitted via the Certificate of Mailing provisions of 37 C.F.R. § 1.8.

Applicants hereby petition for an extension of **three (3) month(s)** pursuant to 37 C.F.R. §§ 1.17 and 1.136(a).

The fee has been calculated as shown below:

☐ NO extensions of time have been previously obtained for responding to the Final Rejection. Thus a fee of \$.00 is required for the full period of the above-requested extension of time.

- ☒ An extension of **two (2) month(s)** for responding to the Final Rejection was previously requested and paid for on **June 23, 2004**. Thus a fee of **\$530.00** is required.
- ☐ Applicant claims small entity status. See 37 C.F.R. § 1.27.

The Government fee for filing a Notice of Appeal to the Board of Appeals is calculated as follows:

- ☒ Large entity - \$330.00
- ☐ Small Entity - \$165.00

Therefore, the TOTAL FEE due for the filing of this Notice of Appeal is \$860.00.

Payment of the above TOTAL FEE is being made in the following manner:

- ☒ Check in the amount of \$860.00 is enclosed.
- ☐ Please charge Deposit Account No. 08-0750 in the amount of \$0.00. A triplicate copy of this sheet is attached.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. §§1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

HARNESS, DICKEY, & PIERCE, P.L.C.

By



John E. Curtin, Reg. No. 37,602

P.O. Box 8910
Reston, Virginia 20195
(703) 668-8000

JEC:psy